

CLAIMS

1. A high-speed forming tap which is fed forward by a machine tool in synchronization with rotation to cut and form a female screw by a cutting edge of a screw part, wherein

5 a bevel lead of the screw part has chamfers from the cutting edge along ridgelines between a crest face and a following flank of a thread, and between the crest face and a leading flank of the thread.

2. The high-speed forming tap according to claim 1, wherein concentricity of the screw part is set to a tolerance of not more than
10 IT8 at a tip face of the bevel lead of the screw part by using a shank as a reference, and run-out of the screw part is set to 1/2 of the tolerance of not more than IT8 at the cutting edge in the center of the bevel lead of the screw part by using the center of both ends of the tap as a reference.

15 3. The high-speed forming tap according to one of claims 1 and 2, wherein a peripheral face of the shank has a cylindrical shape having a fixed major diameter up to a rear end thereof.

4. The high-speed forming tap according to any of claims 1 to 3, wherein at least the screw part is made of any of high-speed tool steel
20 and cemented carbide.

5. The high-speed forming tap according to any of claims 1 to 4, wherein at least the screw part is coated with a hard layer.